## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/051094

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E21B10/36 E21B E21B10/56 E21B10/40 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. Α US 6 253 864 B1 (HALL DAVID R) 1,15 3 July 2001 (2001-07-03) cited in the application column 8, lines 51-59 figure 9 Α WO 02/099242 A (EDDISON ALAN MARTYN 1,15 ;ANDERGAUGE LTD (GB)) 12 December 2002 (2002-12-12) claim 7 WO 01/33031 A (RELTON CORP) 1,15 10 May 2001 (2001-05-10) figure 3 Α US 4 296 825 A (LARSSON LARS E) 1,15 27 October 1981 (1981-10-27) figure 3 -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the international "X" document of particular relevance; the claimed invention fillna date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed in the art. "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 25 August 2004 01/09/2004 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Schouten, A Fax: (+31-70) 340-3016

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